Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1 (Currently Amended). An inkjet device comprising:

an inkjet head having multiple nozzles arranged at equally spaced intervals in a row, the inkjet head ejecting ink droplets from the multiple nozzles onto target pixels on a medium;

a conveying unit that conveys the medium ina first direction relative to the inkjet head, wherein a plurality of lines are defined on the medium, each of the plurality of lines extending in a second direction that is orthogonal to the first direction;

a data generating unit that generates both ejection data and timing control data from pattern data, the ejection data being generated for each of specific lines selected from the plurality of lines based on predetermined criteria, the timing control data being generated for each of the plurality of lines;

a drive-waveform-generation-signal generating unit that generates a drive-waveform generation signal in accordance with the timing control data;

a transfer-signal generating unit that generates a transfer signal in accordance with the timing control data;

a drive-waveform generating unit that generates a drive waveform in accordance with the drive-waveform generation signal;

an ejection-data transferring unit that transfers the ejection data in accordance with the transfer signal; and

a control unit that controls, based on the drive waveform and the ejection data transferred from the ejection-data transferring unit, the inkjet head to selectively eject ink droplets from the multiple nozzles.

2 (Currently Amended). The inkjet device according to claim 1, further comprising a ~~coveying~~ conveying unit that conveys the medium in a first

direction relative to the inkjet head, wherein:

a plurality of lines are defined on the medium, each of the plurality of lines extending in a second direction that is orthogonal to the first direction;

the plurality of lines has an interval in the first direction that is smaller than a minimum ejection frequency of each of the multiple nozzles; and

the timing control data are defined for each of the plurality of lines, and include drive-waveform generation timing data, which determine whether to generate the drive waveform for the each of the plurality of lines, and ejection-data transfer timing data, which determine whether to transfer the ejection data for each of the plurality of lines.

3 (Currently Amended). ~~The~~ An inkjet device ~~according to claim 1, further is~~ comprising:

an inkjet head having multiple nozzles arranged at equally spaced intervals in a row, the inkjet head ejecting ink droplets from the multiple nozzles onto target pixels on a medium;

a data generating unit that generates both ejection data and timing control data from pattern data;

a drive-waveform-generation-signal generating unit that generates a drive-waveform generation signal in accordance with the timing control data;

a transfer-signal generating unit that generates a transfer signal in accordance with the timing control data;

a drive-waveform generating unit that generates a drive waveform in accordance with the drive-waveform generation signal;

an ejection-data transferring unit that transfers the ejection data in accordance with the transfer signal;

a control unit that controls, based on the drive waveform and the ejection data transferred from the ejection-data transferring unit, the inkjet head to selectively eject ink droplets from the multiple nozzles; and

a conveying unit that conveys the medium in a first direction relative to the inkjet head, wherein:

a plurality of lines are defined on the medium, each of the plurality of lines extending in a second direction that is orthogonal to the first direction;

the plurality of lines has an interval in the first direction that is smaller than a minimum ejection frequency of each of the multiple nozzles;

the timing control data are defined for each of the plurality of lines;

the drive-waveform generating unit generates the drive waveform only at lines which include at least one of the target pixels; and

the ejection-data transferring unit transfers the ejection data only at lines which include at least one of the target pixels and at which the ink droplets are ejected based on ejection data different from previously transferred ejection data.

4 (Original). The inkjet device according to claim 1, further comprising a data-rotation-instructing-signal generating unit that generates a data-rotation instructing signal in accordance with the timing control data, wherein the control unit includes an ejection shift register that stores ejection data, at least one storage shift register that stores ejection data, and a data rotating unit that rotates the ejection data between the ejection shift register and the at least one storage shift register in accordance with the data-rotation instructing signal.

5 (Original). The inkjet device according to claim 4, wherein the control unit controls the inkjet head based on the ejection data stored in the ejection shift register.

6 (Currently Amended). A control method for controlling an inkjet device, the control method comprising the steps of:

a) conveying a medium in a first direction relative to an inkjet

head, wherein a plurality of lines are defined on the medium, each of the plurality of lines extending in a second direction that is orthogonal to the first direction;

b) generating ejection data and timing control data from pattern data, the ejection data being generated for each of specific lines selected from the plurality of lines based on predetermined criteria, the timing control data being generated for each of the plurality of lines;

~~b~~ c) generating a drive-waveform generation signal in accordance with the timing control data;

~~c~~ d) generating a transfer signal in accordance with the timing control data;

~~d~~ e) transferring the ejection data to a register in accordance with the transfer signal;

~~e~~ f) generating a drive waveform in accordance with the drive-waveform generation signal, and

~~f~~ g) controlling, based on the drive waveform generated in step d) and the ejection data stored in the register, an inkjet head to selectively eject ink droplets from multiple nozzles of the inkjet head onto target pixels on a medium.

7 (Original). The control method according to claim 6, wherein the timing control data are defined for each of a plurality of lines defined on the medium, and include drive-waveform generation timing data and ejection-data transfer timing data, the drive-waveform generation timing data determining whether to generate the drive waveform for the each of the plurality of lines, the ejection-data transfer timing data determining whether to transfer the ejection data for each of the plurality of lines, each of the plurality of lines extending in a first direction that is orthogonal to a second direction in which the medium is conveyed relative to the inkjet head, the plurality of lines having an interval in the second direction that is smaller than a minimum ejection frequency of each of the multiple nozzles.

8 (Currently Amended). ~~The~~ A control method ~~according to claim 6~~ for controlling an inkjet device, the control method comprising the steps of:

a) generating ejection data and timing control data from pattern data;

b) generating a drive-waveform generation signal in accordance with the timing control data;

c) generating a transfer signal in accordance with the timing control data;

d) transferring the ejection data to a register in accordance with the transfer signal;

e) generating a drive waveform in accordance with the drive-waveform generation signal; and

f) controlling, based on the drive waveform generated in step d) and the ejection data stored in the register, an inkjet head to selectively eject ink droplets from multiple nozzles of the inkjet head onto target pixels on a medium, wherein:

the timing control data are defined for each of a plurality of lines defined on the medium, each of the plurality of lines extending in a first direction that is orthogonal to a second direction in which the medium is conveyed relative to the inkjet head, the plurality of lines having an interval in the second direction that is smaller than a minimum ejection frequency of each of the multiple nozzles;

the drive waveform is only generated in step e) at lines which include at least one of the target pixels; and

the ejection data is transferred in step d) only at lines which include at least one of the target pixels and at which the ink droplets are ejected based on ejection data different from previously transferred ejection data.

9 (Currently Amended). The control method according to claim 6, further comprising the steps of:

~~g~~ h) generating a data-rotation instructing signal in accordance with

the timing control data, and

~~h~~ i) rotating ejection data between the register and a storage register in accordance with the data-rotation instructing signal.

10 (Currently Amended). ~~The~~ An inkjet device ~~according to claim 2~~ comprising:

an inkjet head having multiple nozzles arranged at equally spaced intervals in a row, the inkjet head ejecting ink droplets from the multiple nozzles onto target pixels on a medium;

a data generating unit that generates both ejection data and timing control data from pattern data;

a drive-waveform-generation-signal generating unit that generates a drive-waveform generation signal in accordance with the timing control data;

a transfer-signal generating unit that generates a transfer signal in accordance with the timing control data;

a drive-waveform generating unit that generates a drive waveform in accordance with the drive-waveform generation signal;

an ejection-data transferring unit that transfers the ejection data in accordance with the transfer signal;

a control unit that controls, based on the drive waveform and the ejection data transferred from the ejection-data transferring unit, the inkjet head to selectively eject ink droplets from the multiple nozzles; and

a conveying unit that conveys the medium in a first direction relative to the inkjet head, wherein:

a plurality of lines are defined on the medium, each of the plurality of lines extending in a second direction that is orthogonal to the first direction;

the plurality of lines has an interval in the first direction that is smaller than a minimum ejection frequency of each of the multiple nozzles; and

the timing control data are defined for each of the plurality of lines,

and include drive-waveform generation timing data, which determine whether to generate the drive waveform for the each of the plurality of lines, and ejection-data transfer timing data, which determine whether to transfer the ejection data for each of the plurality of lines,

wherein each of the drive-waveform generation timing data is a bit signal that selectively takes either a first logical value or a second logical value, such that a waveform is generated when the drive-waveform generation timing data has the second logical value;

wherein each of the ejection-data transfer timing data is a bit signal that selectively takes either a first logical value or a second logical value, such that a data transfer is requested when the ejection-data transfer timing data has the first logical value, and that a data transfer is not requested when the ejection-data transfer timing data has the second logical value;

wherein the drive-waveform generation timing data takes the first logical value only at lines where at least one of the plurality of nozzles ejects ink droplets; and

wherein the ejection-data transfer timing data takes the first logical value only at lines where the drive-waveform generation timing data has the first logical value and also ink droplets are ejected using ejection data different from ejection data which are previously transferred.